

## Scope and Sequence for Equipping Your Students with the Necessary Technology Skills for a Successful Performance Task

Your students are going to create a performance task using technology at the Modification or Redefinition levels of the SAMR model. How can you help your students stay focused on the content and not on the technology while they are creating this project?

In the 5 skills charts below, make a list of all the skills related to the planning, creation, and presentation of that performance task that you expect your students to utilize. (You may add or delete rows to each chart as needed.) The goal is that you will help your students already have the majority of the technology skills necessary to create a successful product prior to the performance task production point of your unit.

### Remember to think TPACK.

*NOTE: The focus of this list is the technology components; however, elsewhere in your unit, you will also need to consider the human components (critical thinking, public speaking, cooperating with colleagues, rehearsing a dialogue before filming, etc.).*

Your Name	
What is the performance task for your unit?	<i>You are working for the NSA. You need to create a youtube video via Screencast-O-Matic to explain to your boss how to encrypt and decrypt binary code through matrices. You will present your ideas and share the file with your boss. US computer science majors have had a breakthrough in speeding up computer systems by graph theory. It is your priority to help them understand binary in this file so they can speed up computer systems to prevent foreign hackers from getting into our system.</i>
What technology will students use to create the performance task (if more than one, differentiate between what is an option and what will be required)	Screencast-O-Matic v2.0
Lesson # in which students will create the performance task	1

1. Skills for **planning** the performance task (storyboard, outline, script, research of content, etc.)

Pre-requisite skill student will need to be able to successfully create the performance task	URL to, and description of, an online resource/ reference that a student (or parent) can access to learn this skill independently (or refer to as a reminder)	How can you introduce this skill prior to the performance task either in an earlier lesson in this unit or in a prior unit? Briefly describe the learning activity.
ACSII Chart Identification	<a href="http://web.alfredstate.edu/weimandn/miscellaneous/ascii/ascii_index.html">http://web.alfredstate.edu/weimandn/miscellaneous/ascii/ascii_index.html</a>	Have them choose a letter and write it in binary and decimal.

2. Skills for **capturing** raw components that will be used in the performance task (recording video, capturing audio, searching for photos and graphics, understanding copyright and privacy, etc.)

Pre-requisite skill student will need to be able to successfully create the performance task	URL to, and description of, an online resource/ reference that a student (or parent) can access to learn this skill independently (or refer to as a reminder)	How can you introduce this skill prior to the performance task either in an earlier lesson in this unit or in a prior unit? Briefly describe the learning activity.
Have a mac/pc laptop. That is it. Click download.	<a href="http://download.cnet.com/ScreenCast-O-Matic/3000-13633_4-75734109.html">http://download.cnet.com/ScreenCast-O-Matic/3000-13633_4-75734109.html</a>	Have them download it and try it out in class.

3. Skills for **editing/refining** the performance task (edit, transitions, manipulation, supplementing with music, inserting text, etc.),

Pre-requisite skill student will need to	URL to, and description of, an online resource/ reference that a student (or parent) can access to learn this skill independently (or refer to as a reminder)	How can you introduce this skill prior to the
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be able to successfully create the performance task		performance task either in an earlier lesson in this unit or in a prior unit? Briefly describe the learning activity.
Add a playlist (3 videos)	<a href="https://www.youtube.com/channel/UCpvXwlucwIXLkqRmIKSrp6A/playlists?shelf_id=0&amp;view=1&amp;sort=dd">https://www.youtube.com/channel/UCpvXwlucwIXLkqRmIKSrp6A/playlists?shelf_id=0&amp;view=1&amp;sort=dd</a>	Have them create a youtube account.

4. Skills for **converting/exporting** a project file of the performance task (rendering video, exporting MP3 file, making an html version, etc.)

Pre-requisite skill student will need to be able to successfully create the performance task	URL to, and description of, an online resource/ reference that a student (or parent) can access to learn this skill independently (or refer to as a reminder)	How can you introduce this skill prior to the performance task either in an earlier lesson in this unit or in a prior unit? Briefly describe the learning activity.
Hit done record and export it to youtube.	(See screencast-o-matic v2.0 download)	Will be posting a trial video in class of just their computer screen with talking and mouse controls to make sure everything works.

5. Skills for **making the performance task ready for the presentation** (uploading a video to youtube, setting a wiki's privacy to protected or public, sharing a Google Doc/Site/Survey/Presentation, using the presenter's tools in PowerPoint, etc.)

Pre-requisite skill student will need to be able to successfully create the performance task	URL to, and description of, an online resource/ reference that a student (or parent) can access to learn this skill independently (or refer to as a reminder)	How can you introduce this skill prior to the performance task either in an earlier lesson in this unit or in a prior unit? Briefly describe the learning activity.
My Channel→ Watch Your Video →Info and Settings→ Change either Public or Private to Unlisted.	youtube.com	After video trial video is uploaded, I will have everyone change this setting appropriately which will be done with the other videos. I also will just change the feature if there are any other problems on presentation day.